

## Method and System for Generating Pixel Gray Scale Levels

### ABSTRACT

A method of generating  $2^m$  gray scale levels for a number of rows of pixels to be displayed during a video frame, where  $m$  is an integer greater than or equal to zero. The method includes dividing the frame into  $2^m-1$  time slices, updating each of the rows of pixels during  $m$  time slices, and distributing the row updates among the time slices such that a substantially equal number of the rows of pixels are updated during each of the time slices.